



CONTINUING ELIGIBILITY INSPECTION (CEI) REPORT

FOR FLOOD CONTROL WORKS
Honolulu Engineer District
CEPOH-EC-T

Kuliouou05rpt-fcp.doc

1. Project Name: Kuliouou Stream Flood Control Project
2. Date of Inspection: November 12, 2004
3. Inspection Personnel:

<u>Name</u>	<u>Agency/Office</u>	<u>Telephone No.</u>
a. Dan Meyers	CEPOH-EC-T	438-8875
b. Geff Lee	CEPOH-PP-MC	438-8864
c. Tyler Sugihara	DFM/Road Main Div.	484-7600
d. Emiliano Tropia	DFM/Road Main Div.	484-7624
e. Bernard Medeiros	DFM/Road Main Div.	484-7624
f. Manual Kupahu	DFM/Road Main Div.	484-7624

4. Ratings for FY05
Project Rating: "S, **Satisfactory**"
Project Condition Code: "A, **Acceptable**"
Project Status: "**Active**"

5. Discussion:

The project consist of 225 foot-long, 50 foot-wide channel (at the lower limit of the project), 1,260 lineal feet of concrete rectangular ditch, 388 lineal feet of reinforced ditch and box culverts, 570 lineal feet of concrete walls and 1,330 lineal feet of CRM walls along the banks of the existing channel.

There are some concerns regarding the velocity which flood waters enter the upper limit of the Federal project at the connection to the Non-Federal project.

The project inspection began at the debris basin which is located at the upper limits of the Non-Federal Project, the resumed at Sta. 46+50, the upper limit of the Federal project. **DFM will need to provide a boat for the FY06 inspection between Sta. 2+00 and 18+00.** Several discrepancies were noted and brought to the attention of the C&C representatives during the inspection. The major deficiencies were as follows:



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- a. Monitor Debris Basin for material build-up and remove as necessary. (Upper Limit of Non-Federal Project)



- b. Sta. 46+50, overview of the upper limit of the Federal project.



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c. Sta. 42+25, Right Bank (RB), grease flapgate hinges, additional repairs were completed.



d. Sta. 37+50, RB, grease flapgate hinges.



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e. Sta. 33+50, overview of channel facing downstream.





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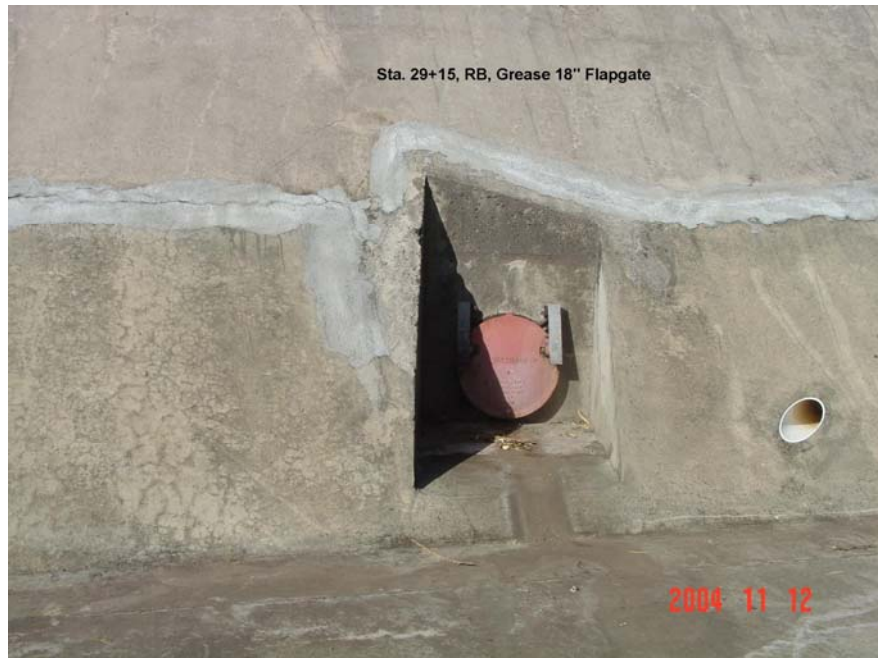
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f. Sta. 32+00, RB, recent repairs are OK.



g. Sta. 30+00, RB, recent repairs, mortar patch scaling off, redo.



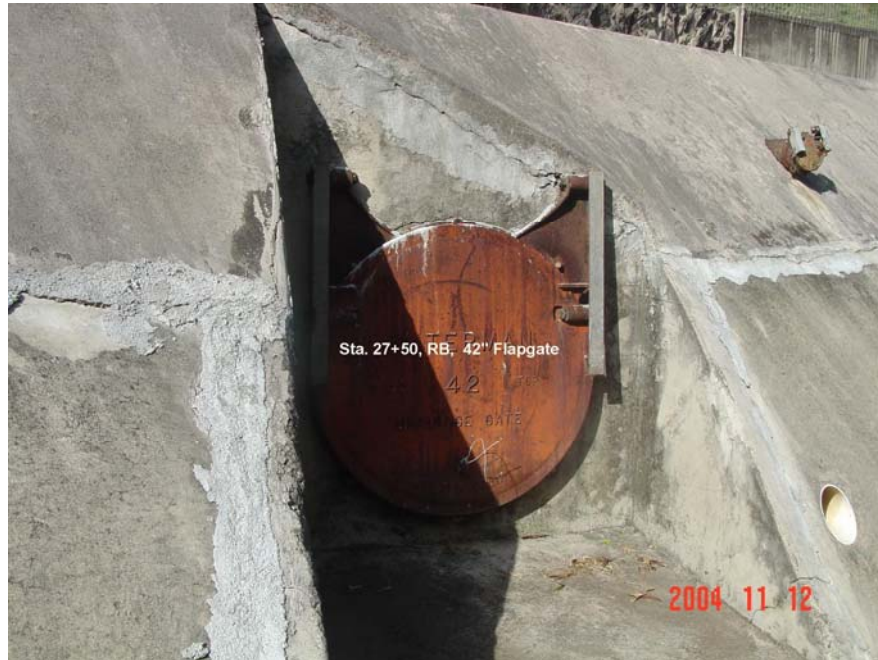
h. Sta. 29+15, RB, Grease flapgate.



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- i. Sta. 27+50, RB, grease flapgate.
- j. Sta. 26+00, RB, 6" replace missing flapgate.



- k. Sta. 24+00, RB, vegetation removed from CRM wall.



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- l. Sta. 24+10, RB, remove juvenile tree from to of sideslope.



- m. Sta. 22+32, RB, water piping thru mortar patch, correct.



- n. Sta. 22+50, Invert, patch hole.



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o. Sta. 22+00, Invert patch hole.



p. Sta/ 21+00, Invert, repair cracks and holes.



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q. Sta. 20+20, Invert, patch hole.



r. Sta. 19+00, RB, grease 18" flapgate.



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s. Sta. 18+40, RB, replace flapgate.



t. Sta. 18+50, LB, patch hole in CRM wall and patch invert.



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- u. Sta. 9+50, RB / LB, Cut back vegetation from sidewalls.



- v. Sta. 7+00, RB, cut vegetation from channel wall.



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w. Sta. 5+00, LB, flapgate frozen open, repair or replace.

6. Findings/Conclusions:

IAW ER 500-1-1, (dtd 30 September 2001), and based on this CEI, the Project Condition Code is ACCEPTABLE and the project is considered ACTIVE in the Rehabilitation and Inspection Program.

Signed: _____
Dan Meyers, CEPOH-EC-T

Signed: _____
James Pennaz, P.E., CH, CEPOH-EC-T

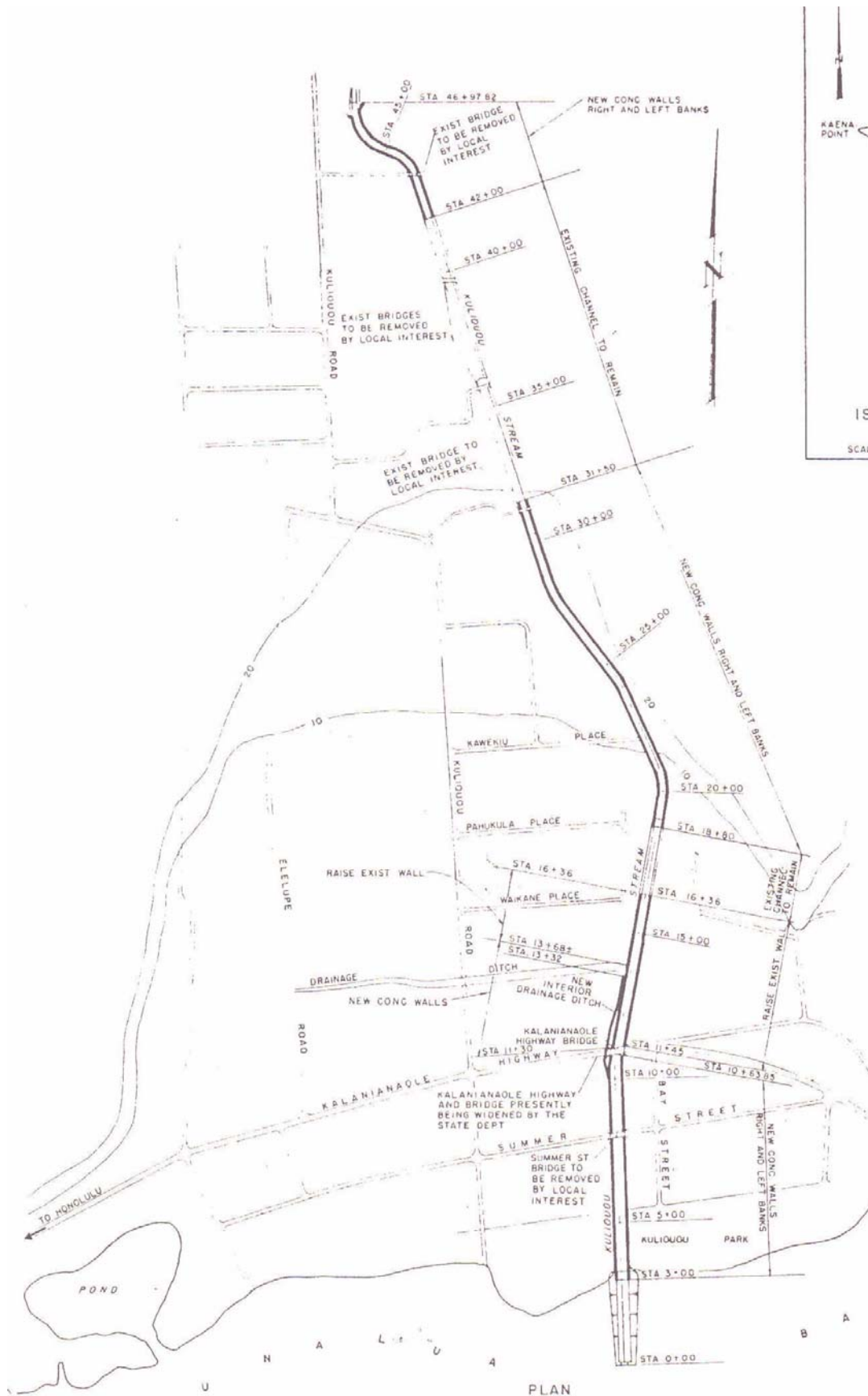
Enclosure(s)
1. Site Plan



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KULIOUOU STREAM, OAHU, HAWAII

CONDITION OF IMPROVEMENT 30 SEPTEMBER 1991

PREVIOUS PROJECTS: None.

EXISTING PROJECT: Authorized under Section 205 of the Flood Control Act of 30 June 1948, as amended. Provides for a 225-foot long, 50-foot wide channel into Maunalua Bay; approximately 1,260 lineal feet of reinforced concrete walls for a rectangular channel; approximately 388 lineal feet of reinforced concrete rectangular ditch and box culvert; approximately 570 lineal feet of reinforced concrete walls; and approximately 1,330 lineal feet of CRM walls along the banks of the existing trapezoidal channel; including a new clear span bridge at Summer Street and Station 44+00, providing a bridge access road at Station 44+00. Total length of the Federal project is 4,700 feet of channel improvement.

PROGRESS OF WORK

Completed and Under Maintenance: The project was completed in February 1970. A contract for emergency repair to the flood control channel, damaged during flooding on 31 December 1987, was awarded in May 1988 and completed in February 1989 under the authority of Public Law 84-99.

Work Remaining: None.

COST OF CONSTRUCTION:

	<u>New Work</u>	<u>Maintenance</u>	<u>Total</u>
<u>Completed Works:</u>			
United States Funds	\$ 948,900	\$1,367,322	\$2,316,222
Contributed Funds			
Required	540,335	158,997	699,332
Other	<u>346,376</u>	<u>31,967</u>	<u>378,343</u>
Total Costs	\$1,835,611	\$1,558,286	\$3,393,897